Recorded by: JAC

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

Well No.: F81
E-Log No.: Desoto
County: Horn Lake

Site ID: 3,4,5,3,5,2,0,9,0,0,4,4,3,0,1

Data reiabl: 3=C, 4=USGS

Lat: Long: 19 34°52.1' W

Alt: 16-5,2.0,0'

Hyd. Unit (OWDC): 20

Well use: 23=W

WL: 30'-14.5'

Status: 273=

Owner: 161=D.A., S., W., A.

Owner No. 159=1, 14, 19, 64

Owner No.: WA SPRT

Well No.: 1

Well Originally Drilled for Libbey Sub.

Temp: 196600010
Cond: 196600095
pH: 196600400

Drill. 63'-0.45'

Name: C. B. Perry

Method: 65=H
Finish: 66=1

Remarks: 60=, 0.4, 14, 19, 64

Top csng: 77', 0.1'

Bot. csng: 78', 39.2'

Diam: 79', 8.1'

Type 85=, 1, 1

Diam.: 87', 1.1'

Size: 88', 0.10'

Top csng: 77', 38.2'

Bot. csng: 78', 4.04'

Diam: 79', 16.1'

Type 85=, 1, 1

Diam.: 87', 1.1'

Size: 88', 0.10'

YIELD: 146, 1

134 flows 146 named
LIFT

Date 38-04-14-1964

Log No. 1964

E Log No. 1906

ANAL.

Year 115

Type 120

AQUIFERS

Unit ID 93-124S.P.R.T.

Name of Unit

Unit ID 93-1

Name of Unit

HYTEILICS

Transmissivity (gal/d)/ft

Hydraulic cond. (gal/d)/ft²

Storage coeff. Boundaries

Water Level Data Collection (1)

Water level 9/14/64 110'

Joe Lauderdale

363-3627

12/1/88

WL = 114.15 ft

10/13/89

114.24 ft
APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW
FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES
P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5201

This box is for office use only.

Issued: 4-23-96 AGN. 4-8-2006 Expired: 4-8-2006 Fee Paid: \checkmark Permit No: G.W.-2177

<table>
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<th>34 53 52</th>
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Remarks: Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO: MS-GW-02177

THIS APPLICATION IS FOR (Circle one): GROUNDWATER - COMPLETE A,B,E

SURFACE WATER - COMPLETE A,C,D,E

BENEFICIAL USE (Circle one or more): 1) Public Supply - Municipal (Rural Water), or Private Water 2) Irrigation
3) Industrial 4) Fish Culture 5) Recreation 6) Institutional (eg. Church, School) 7) Commercial (eg. Hotel, Casino, Restaurant) 8) Fire Protection 9) Livestock 10) Flood Protection 11) Other:

SECTION A (to be completed by ALL APPLICANTS)

LANDOWNER: DAYS WATER ASSOCIATION

(Name): PO BOX 171

(Address):

LAKE CORMORANT MS 38641 601 (City) (State & Zip) (Telephone No.)

APPLICANT, AGENT, OR LESSEE (if different from Landowner):

(Name): (SSN or Tax ID No.):

(Address):

(City) (State & Zip) (Telephone)

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):

HE 5/4 of the NE 1/4 of Section 19 Township 25 Range 8W County DESEOSA

Does the land to which this application pertains have any source(s) of water other than that for which you are now applying (circle one) YES NO If yes, describe the nature and amount of any additional supply and, if applicable, list permit number.

MS-GW-02178

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: SPARTA MISSISSIPPI DEPARTMENT OF HEALTH NO.: 170005

2. Proposed work will begin on 19 and will be completed by 1984. Under whose name was well originally drilled (if known) DAYS WATER ASSOCIATION

3. Description of proposed or completed well:
   (a) DEPTH OF WELL: 424 Feet
   (b) Surface CASING: Length 392 feet, Diameter 8 inches; Type STEEL
   (c) SCREEN LENGTH: 20 feet, Diameter 6 inches; Type STAINLESS STEEL
   (d) PUMP: Type TURBINE; Size 6; Capacity 250 gallons per minute; Setting depth 30 feet
   (e) POWER UNIT: Type horsepower

4. PERMITTED VOLUME:
   (a) acre-feet per year at a maximum rate of gallons per minute
   (b) 0.12 million gallons per day at a maximum rate of 250 gallons per minute

(Continued on back)
SECTION C (to be completed for SURFACE WATER SOURCE)

1. Source of water is from ____________________________ which drains into ____________________________ (major stream or river)

2. Description of pump/diversion works:
   Pump (size & type): _______________ Power Unit (size & type): _______________
   Lift: _______________ feet Maximum capacity: ____________________________ gallons per minute
   _______________ acre-feet per year at a maximum rate of ____________________________ gallons per minute

SECTION D (to be completed for SURFACE WATER IMPOUNDMENTS (DAMS) on continuously flowing streams)

1. Name of storage reservoir: ____________________________ Dam Height: _______________ feet
2. Surface area at normal pool: ____________________________ Storage capacity at normal pool: ____________________________ acre-feet

SECTION E WATER USE DATA (ALL APPLICATIONS - complete section related to beneficial use)

1. IRRIGATION: List the number of acres of each crop to be irrigated: Rice: _______; Cotton: _______; Oats: _______; Soybeans: _______; Pasture: _______; Truck: _______; Wheat: _______; Grain Sorgum: _______; Other (specify): _______; Acres: _______; A. Method of Irrigation (circle one) - Center Pivot Flood Furrow B. Land Condition (circle one) - Precision Land Formed Smoothed C. ASCS Farm No. _______; Tract No. _______

2. FISH CULTURE: Explain how water will be used: 
   How often will reservoir(s) be emptied and refilled?

3. MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEM
   Chose "a" or "b": (a) The number of people served is _______; or (b) The number of connections is _______; What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty (20) years? 2000: _______; 2005: _______; 2010: _______; 2015: _______; (Volume) (Year) (Year) (Year) (Year)

4. INDUSTRIAL: If the water is to be released into a watercourse, indicate the amount released each year: _______; NPDES Permit No. _______
   Explain any changes in quality of water to be released: ____________________________
   Explain how water will be used: ____________________________
   How much groundwater will be used for once-through non-contact cooling? _______;

5. RECREATION: Explain how water will be used: ____________________________

6. OTHER USE: Explain in detail (if needed, attach another page): ____________________________

7. REMARKS: TOTAL CONNECTIONS AND ESTIMATED CONSUMPTION IS FOR BOTH WELLS ON THIS SYSTEM.

List below the person to be contacted for additional information if required.

BILL ROBERSON
(Name)
PO BOX 362
(Address)
HERNANDO, MS 38632
(City, State, Zip)
601-429-9509
(Telephone)

The accompanying map is hereby declared a part of this application. For irrigation and fish culture use, an ASCS photograph is required. The TEN DOLLAR ($10.00) permit fee is enclosed herewith.

______________________________
(Signature)

Subscribed and sworn to before me this day of _______; 19 _______; in _______; County of _______; Notary Public
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<td>DENTON</td>
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<td>LOCATION DESCRIPTION:</td>
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<td>Casing Dia:</td>
<td>8&quot;</td>
<td>PUMP TYPE &amp; SIZE:</td>
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Map center is 34° 54' 02" N, 90° 04' 45" W (WGS84/NAD83)

Horn Lake quadrangle

Projection is UTM Zone 15 NAD83 Datum